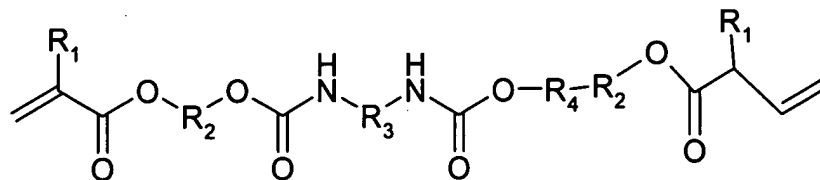


## AMENDMENTS TO THE CLAIMS

### 1. (Cancelled)

### 2. (Previously Presented) A polymer of Formula 1A:



Formula 1A,

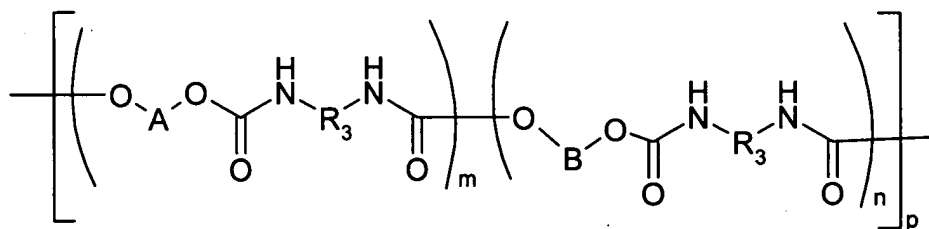
where:

R<sub>1</sub> is hydrogen or methyl;

R<sub>2</sub> is a divalent residue derived from alkyl or alkoxy hydroxy (meth) acrylate(s);

R<sub>3</sub> is a divalent residue derived from aliphatic, cycloaliphatic, heterocyclic and/or aromatic diisocyanate(s);

R<sub>4</sub> is a divalent random block copolymer backbone of Formula 2A:



Formula 2A

where:

A is a divalent residue derived from one or more acrylic-derived polyol(s);

B is a divalent residue derived from one or more rubber-derived polyol(s);

m and n are independently an integer from 1 to 20; and

p is from about 2 to about 50.

### 3. (Previously Presented) A polymer as claimed in claim 2 having a z-average molecular weight (M<sub>z</sub>) measured by gel permeation chromatography (GPC) from about 50 to about 5,500 kilo Daltons (kDa).

4. **(Previously Presented)** A polymer as claimed in claim 2 having a weight average molecular weight ( $M_w$ ) measured by GPC from about 1 to about 1,000 kDa,.

5. **(Previously Presented)** A polymer as claimed in claim 2 having a number average molecular weight ( $M_n$ ) of from about 1 to about 100 kDa.

6. **(Previously Presented)** A polymer as claimed in claim 2 having a density of radiation curable functional groups (measured as molecular weight per group) from about 1 to 150 kDa.

7. **(Currently Amended)** A method for making a urethane (meth)acrylate polymer as claimed in claim 2 in a two stage process comprising the steps of :

(a) first, building an isocyanate terminated pre-polymer by a urethane condensation reaction between a mixture of polyols derived from acrylic and rubber polyols and excess NCO groups provided by difunctional isocyanates,

(b) followed by capping the isocyanate terminated pre-polymer with hydroxyl group-containing (meth)acrylates.

~~of preparing a UV curable urethane (meth)acrylate polymer by reacting a hydroxyl functional ethylenically unsaturated polymer precursor with one or more di-isocyanates, where the hydroxyl functional ethylenically unsaturated polymer precursor is a copolymer obtained from (a) one or more  $C_{1-14}$ alkyl(meth)acrylate(s) (b) one or more polybutadiene derived polyol(s); hydrogenated polybutadiene derived difunctional polyol(s); poly(ethylene / butylene) derived difunctional polyol(s); non-crystalline polyether glycol(s); and (c) one or more poly functional compounds comprising hindered, tertiary carboxylic acid group(s) therein and a plurality of reactive, primary hydroxy groups.~~

8. **(Previously Presented)** A polymer obtained by the method of claim 7.

9. **(Previously Presented)** A radiation curable adhesive formulation comprising (by weight) 100 parts of one or more polymer(s) as claimed in claims 2 or 8; together with from about 1 to about 120 parts of one or more tackifiers.
10. **(Previously Presented)** A film laminate comprising a plurality of layers and between at least two thereof, is a polymer as claimed in claims 2 or 8 or a formulation as claimed in claim 9.
11. **(Previously Presented)** A polymer as claimed in claim 2 wherein the rubber derived polyol is selected from polybutadiene derived polyols, hydrogenated polybutadiene derived difunctional polyols, poly(ethylene/butylene) derived difunctional polyols, non-crystalline polyether glycols and mixtures thereof.
12. **(Previously Presented)** A polymer as claimed in claim 2 wherein acrylic derived polyol is selected from acrylic polyols having a glass transition temperature from -85°C to 30°C.
13. **(Previously Presented)** A polymer as claimed in claim 2 wherein the weight ratio of rubber-derived polyol to acrylic-derived polyol is from 0.1 to 10.
14. **(Previously Presented)** The polymer according to claim 2 wherein R<sub>2</sub> is an alkyl or alkoxy residue.
15. **(Previously Presented)** The radiation curable adhesive formulation according to claim 9 wherein said one or more tackifiers are present at from about 20 to about 80 parts.
16. **(Previously Presented)** A film laminate comprising a plurality of layers and between at least 2 thereof, is a polymer as claimed in claim 14.